

ABSTRACT

The purpose of the present invention is to improve a detection accuracy of a pilot signal detection circuit.

5 A pilot detection signal voltage is input to a differential amplifier circuit 16 and a reference voltage generated by a reference signal generation circuit 17 is input to a differential amplifier circuit 19. A pilot signal is compared with the reference voltage by the

10 differential amplifier circuits 16 and 19. Output currents of the differential amplifier circuits 16 and 19 are converted into voltages by a current-to-voltage conversion circuit 21. And an input to the current-to-voltage conversion circuit 21 is fed back

15 with a voltage proportionate with an offset voltage of the circuit and the offset voltage of the pilot signal detection circuit is cancelled.